

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("6864501") or ("6828591").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/24 09:19
S2	1	("6864501").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/24 09:23
S3	1	S2 and n with p	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 09:23
S4	1	S2 and quantum adj dot	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 09:24
S5	1	S2 and (two or dual or multi)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 09:40
S6	1	S2 and (wave\$length or color)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/24 09:40
S7	9	("20020081825"   "4961196"   "5386429"   "5442649"   "5607876"   "6177684").PN. OR ("6864501").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 14:22
S8	14	((("6,984,850") or ("6,936,858") or ("5,952,680") or ("5,658,825") or ("6,469,324") or ("6,535,186") or ("6,577,287") or ("3,740,570") or ("20030127608") or ("20020145148") or ("5,075,743") or ("20020136932") or ("20030170927") or ("20020114367")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 14:29

S9	77	("2643344"   "2648015"   "2682000"   "2878450"   "2889518"   "3590156"   "3595991"   "3696393"   "3719849"   "3740570"   "3760174"   "3771015"   "3771155"   "3840873"   "3873979"   "3875456"   "3911418"   "3911430"   "3924227"   "3947840"   "3975726"   "3987401"   "4086514"   "4201039"   "4204424"   "4271408"   "4301450"   "4360804"   "4367471"   "4445132"   "4488149"   "4491974"   "4525729"   "4559480"   "4581612"   "4644342"   "4647217"   "4689613"   "4709230"   "4712099"   "4713579"   "4720709"   "4723119"   "4725828"   "4740818"   "4751506"   "4755807"   "4771274"   "4788535"   "4831326"   "4837565"   "4845481"   "5003298"   "5184114"   "5561365"   "6018237"   "6121767"   "6133722"   "6147483"   "6181126"   "6239776").PN. OR ("6577287").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 14:42
S10	0	S9 and (QD or quantum adj dot) and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 14:43
S11	1	S9 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 14:43
S12	2	((("6864501") or ("6828591"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 15:11
S13	965	(257/14).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 15:32
S14	286	S13 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 15:32
S15	276	S14 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 15:33

S16	62	S15 and pulse	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 15:35
S17	0	("2006/0220000").URPN.	USPAT	OR	ON	2009/03/11 15:37
S18	1	("6900920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 15:57
S19	1	S18 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 15:57
S20	839	(257/13).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 17:13
S21	98	S20 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:13
S22	81	S21 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:14
S23	20	S22 and pulse	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:14
S24	247	(257/E29.071).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 17:21
S25	211	S24 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:21
S26	204	S25 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:21
S27	52	S26 and pulse	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:21
S28	1	("6753273").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 17:26
S29	1	S28 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/11 17:26
S30	18303	current with pulse and light with emitting	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 09:53
S31	228	S30 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 09:53

S32	192	S31 and (@riad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 09:54
S33	1	("7145125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 10:36
S34	0	S33 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 10:37
S35	0	S33 and (current with pulse and light with emitting)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 10:37
S36	88	("20020064043"   "20030117798"   "20030193816"   "20040156199"   "20050040774"   "20050062446"   "20050063063"   "20050156103"   "20050161586"   "20050161588"   "20060001381"   "20060028156"   "4677533"   "4962687"   "4992704"   "5241459"   "5365084"   "5400228"   "5420482"   "5471052"   "5650843"   "5752766"   "5838247"   "5877490"   "5899557"   "5914487"   "6007225"   "6084250"   "6127783"   "6139166"   "6149283"   "6150774"   "6166496"   "6183086"   "6184628"   "6200002"   "6222623"   "6238077"   "6257737"   "6266136"   "6273589"   "6280054"   "6286979"   "6299329"   "6334700"   "6340868"   "6342695"   "6357893"   "6441558"   "6459919"   "6488389"   "6523977"   "6525668"   "6527411"   "6533429"   "6547416"   "6626558"   "6636003"   "6659622"   "6692136"   "6700112"   "6744223"   "6759814"   "6793374"   "6806659"   "6836083"   "6840652"   "6888322"   "6897624"   "6936978"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 10:38

		"6965205"   "6967448"   "6969954"   "6975079"   "6995355"   "7012382"   "7014336"   "7031920"   "7038398"   "7038399"   "7042172"   "7064498"). PN. OR ("7145125"). URPN.				
S37	2	S36 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 10:38
S38	24	S36 and (current with pulse and light with emitting)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 10:38
S39	1	("5982957").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 10:53
S40	1	("4845481").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 11:05
S41	2	((("5657145") or ("6198230")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 14:25
S42	500	InP with (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 16:23
S43	128	S42 and (multiple with (color or wavelength) or (multi\$color or multi \$wavelength))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 16:24
S44	114	S43 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 16:24
S45	7	S42 and (dual with (color or wavelength))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:26
S46	1	("6600169").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 17:26
S47	65	S42 and (current with inject\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:28
S48	55	S47 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:28
S49	27	S42 and (variable with (color or wavelength))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:30

S50	22	S49 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:31
S51	1	("7375878").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 17:32
S52	1	S51 and (variable with (color or wavelength))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/12 17:32
S53	0	("2004/0009681").URPN.	USPAT	OR	ON	2009/03/13 08:33
S54	1	("6768754").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 08:50
S55	1	S54 and InP with (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 08:51
S56	500	InP with (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:19
S57	1	S56 with (AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:24
S58	5	S56 and (AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:26
S59	2792	InP with (quantum or dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:32
S60	41	S59 and (AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:32
S61	40	S60 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:33
S62	28	barrier with (AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:52

S63	2	S62 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 09:52
S64	1	("20020031900").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 10:08
S65	1	("20030127608").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 10:30
S66	1	S65 and display	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:31
S67	0	S65 and InP with (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:31
S68	1	S65 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:31
S69	1	("20020145148").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 10:48
S70	0	S69 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:48
S71	1	S69 and display	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:50
S72	55671	(wavelength or color) with current	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:57
S73	103	S72 and InP with (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:57
S74	94	S73 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:57
S75	79	(AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP") with (clad\$4 or contact)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 11:52
S76	75	S75 and (@rlad < "20060629" or @ad < "20060629")	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 11:52
S77	2	S76 and (QD or quantum adj dot)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 12:09

S78	1	("4675709").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/14 14:36
S79	0	S78 and current	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 14:36
S80	1	S78 and (AlGaP or GaAlP or "Al.sub.xGa.sub.1-xP" or "Al.sub.1-xGa.sub.xP" or "Ga.sub.xAl.sub.1-xP" or "Ga.sub.1-xAl.sub.xP") with (clad\$4 or contact)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 14:36
S81	1	("4759024").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/14 14:59
S82	1	S81 and direct	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 14:59

3/ 14/ 2009 3:27:04 PM

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